

UR-8VB

Manual Viscosity Bath



Ur SYSTEM

Part Of Smart Lab Co.

UR-8VB Manual Viscosity Bath

Precision Bath for Kinematic Viscosity Measurement

Overview

The UR-8VB Manual Viscosity Bath is a precision-engineered instrument for accurate determination of kinematic viscosity in accordance with ASTM D445, D446, D2170, D2171, and EN 12595 standards. Designed for reliability, visibility, and durability, the bath features a transparent glass chamber with a protective front window, allowing clear observation and safe operation. Capable of accommodating up to 8 viscometers simultaneously, the UR-8VB provides consistent and precise temperature control for light and heavy fuels, lubricating oils, and asphalts.



Applications:

Ideal for kinematic viscosity testing of:

- Light and heavy fuels
- Lubricating and base oils
- Bitumen and asphalts
- Petrochemical and industrial samples
- Perfect for research laboratories, quality control, and standard-compliant testing environments.

Compliance:

Conforms to: ASTM D445 / D446 / D2170 / D2171 | EN 12595

Key Features

- Temperature Range: Ambient +5 °C to 140 °C.
- High-precision PID controller with 0.01 °C resolution.
- Optimized circulation system for excellent temperature uniformity.
- Simultaneous testing of up to 8 viscometers.
- Digital timer for precise and repeatable test cycles.
- Internal air pump provides adjustable vacuum or air pressure for cleaning, drying viscometer tubes, and sample suction.
- Compatible with all viscometer types: Cannon-Fenske, Ubbelohde, Reverse Flow, Suspended Level, and more.
- Optional chiller connection for sub-ambient operation.



Design & Convenience:

- 18 L transparent glass bath with protective front safety window.
- Compact benchtop design: 503 x 341.5 x 490 mm (W x D x H).
- Top plate with 8 openings (Ø 51 mm) for viscometers.
- User-friendly digital interface for temperature and time control.
- Drain valve for easy bath fluid replacement.
- Clear internal lighting for enhanced visibility.

Technical Specifications

Parameter	Specification
Bath Type	Transparent glass bath with protective front window
Bath Capacity	18 L
Temperature Range	Ambient +5 °C to 140 °C
Temperature Stability	± 0.05 °C
Dimensions (W×D×H)	503 × 341.5 × 490 mm
Sample Capacity	Up to 8 viscometers
Bath Openings	Ø 51 mm × 8
Cooling	External chiller connection
Circulation	Internal stirrer for uniform temperature
Air System	Built-in air pump for vacuum/air-pressure cleaning, drying, and sample suction
Power Supply	220 V AC 50/60 Hz
Weight	Approx. 22 kg

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